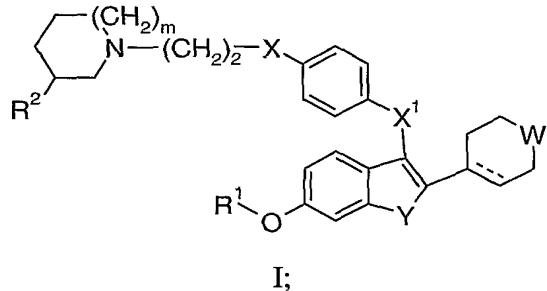


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WE CLAIM:

1. A compound of formula I:



5 wherein:

m is 0, 1 or 2;

R1 is H, SO2(n-C4-C6 alkyl) or COR3;

R2 is H or methyl provided that if m is 1 or 2, then R2 must be H and that if m is 0, then R2 must be methyl;

10 W is CHSO2R4 or SO2;

X is O or NR5;

X1 is O, CH2, or CO;

Y is S or CH=CH;

the dashed line (---) represents an optional double bond;

15 R3 is C1-C6 alkyl, C1-C6 alkoxy, NR6R7, phenoxy, or phenyl optionally substituted with halo;

R4 is C1-C6 alkyl, C1-C6 alkoxy, NR8R9, CF3 or CH2CF3;

R5 is H or C1-C6 alkyl

R6, R7 and R8 are independently H, C1-C6 alkyl or phenyl; and

20 R9 is C1-C6 alkyl or phenyl; or a pharmaceutical acid addition salt thereof.

2. The compound of claim 1 wherein X and X1 are O and m is 1 or 2.

3. The compound of claim 1 or claim 2 wherein R1 is H or COR3 and R3 is C1-C4 alkyl, NHCH3 or phenyl.

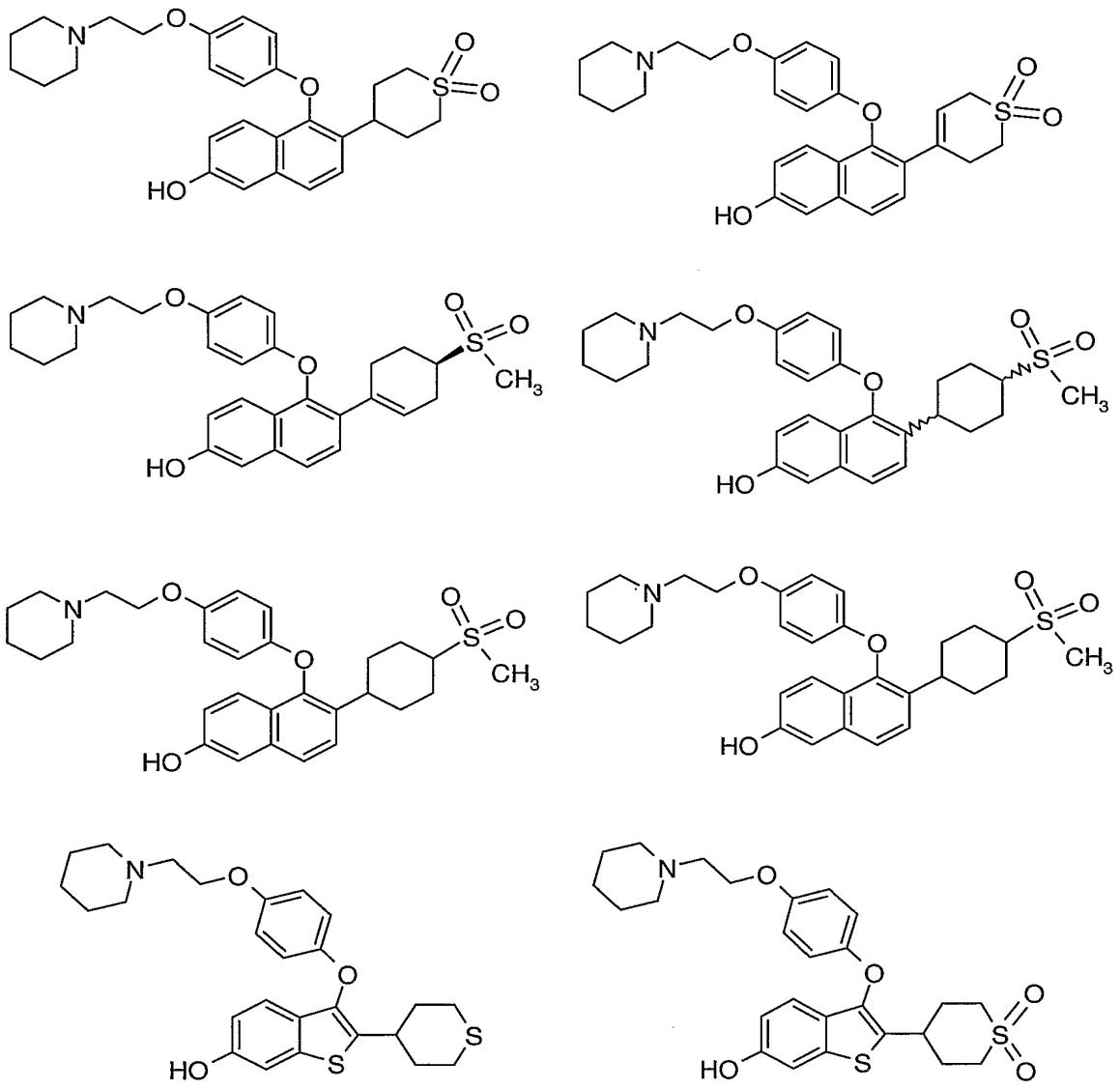
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4. The compound of any one of claims 1-3 wherein R¹ is H and m is 1.
5. The compound of any one of claims 1-4 wherein Y is CH=CH.
6. The compound of any one of claims 1-5 wherein W is CHSO₂R⁴.
7. The compound of any one of claims 1-6 wherein R⁴ is C₁-C₄ alkyl, CF₃ or NR⁸R⁹ and R⁸ is H or C₁-C₄ alkyl and R⁹ is C₁-C₄ alkyl.

10

8. The compound of any one of claims 1-7 wherein R⁴ is methyl, ethyl, cyclopropyl, CF₃, NHCH₃ or N(CH₃)₂.
9. The compound of any one of claims 1-5 wherein W is SO₂ and the optional double bond is not present.
- 15
10. A compound selected from the group consisting of:

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or a pharmaceutical acid addition salt thereof.

11. The compound of any one of claims 1-10 which is the hydrochloride salt.

5

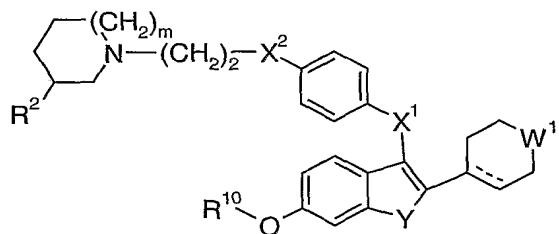
12. A method of treating endometriosis comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-11.

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13. A method of treating uterine leiomyoma comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-11.

5 14. A compound of any one of claims 1-11 for use in treating endometriosis and/or uterine leiomyoma.

15. A compound of formula II:



10 II;

wherein:

m is 0, 1 or 2;

15 R2 is H or methyl provided that if m is 1 or 2, then R2 must be H and that if m is 0, then R2 must be methyl;

R10 is H, C1-C6 alkyl, benzyl, SO2CH3, SO2(n-C4-C6 alkyl) or COR4;

W1 is CHS(O)nR4 or S(O)n;

X1 is O, CH2, or CO;

X2 is O or NR11;

Y is S or CH=CH;

20 the dashed line (---) represents an optional double bond;

n is 0, 1 or 2;

R3 is OH, C1-C6 alkyl, C1-C6 alkoxy, NR6R7, phenoxy, or phenyl optionally substituted with halo;

R4 is C1-C6 alkyl, C1-C6 alkoxy, NR8R9, CF3 or CH2CF3;

25 R6, R7 and R8 are independently H, C1-C6 alkyl or phenyl;

R9 is C1-C6 alkyl or phenyl; and

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R^{11} is H, C₁-C₆ alkyl or CO₂(C₁-C₆ alkyl); provided that if n is 2, then R^{10} is C₁-C₆ alkyl, SO₂CH₃ or benzyl or R^{11} is CO₂(C₁-C₆ alkyl); or an acid addition salt thereof.

5 14. The compound of claim 13 wherein X² and Y are O and m is 1 or 2.

10 15. The compound of claims 13 or claim 14 wherein R¹⁰ is SO₂CH₃, benzyl or methyl.

15 16. The compound of any one of claims 13-15 wherein m is 1.

20 17. The compound of any one of claims 13-16 wherein W¹ is CHSO_nR⁴.

19. The compound of any one of claims 13-17 wherein R⁴ is C₁-C₄ alkyl, CF₃ or NR⁸R⁹ and R⁸ is H or C₁-C₄ alkyl and R⁹ is C₁-C₄ alkyl.

20. The compound of any one of claims 1-5 wherein W is SO₂ and the optional double bond is not present.